

Indiana Michigan
Power Company
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Buchanan, MI 49107 1395



October 28, 2004

AEP:NRC:4445

Docket No: 50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Unit 2
STEAM GENERATOR TUBE INSERVICE INSPECTION REPORT

Pursuant to the requirements of the Donald C. Cook Nuclear Plant (CNP) Unit 2 Technical Specification 4.4.5.5.a, Indiana Michigan Power Company is submitting this letter to notify the Nuclear Regulatory Commission of the number of tubes plugged during the Unit 2 Cycle 15 steam generator inspection.

Eddy current inspections were conducted on each of the four Unit 2 steam generators during the CNP Unit 2 Cycle 15 refueling outage. No defective tubes were identified during these examinations. However, one tube was classified as degraded due to loose part wear, and was conservatively plugged. The attachment to this letter provides additional details.

This letter contains no new commitments. Should you have any questions, please contact Mr. John A. Zwolinski, Safety Assurance Director, at (269) 466-2428.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe', is written over a circular stamp or seal.

Joseph N. Jensen
Site Vice President

Attachment

RV/rdw

A047

c: J. L. Caldwell – NRC Region III
K. D. Curry – AEP Ft. Wayne
J. T. King – MPSC
C. F. Lyon – NRC Washington, DC
MDEQ – WHMD/HWRPS
NRC Resident Inspector

ATTACHMENT TO AEP:NRC:4445

**EDDY CURRENT FINDINGS AND REPAIRS DURING THE UNIT 2
CYCLE 15 REFUELING OUTAGE**

Eddy current inspections were conducted on each of the four Unit 2 steam generators during the CNP Unit 2 Cycle 15 refueling outage. The inspection consisted of a full-length examination of 25 percent of the tubes using a bobbin coil probe. This inspection was supplemented by rotating coil examinations of select areas in two steam generators and additional rotating coil inspection of a sample of indications of the bobbin coil data from all four steam generators for enhanced characterization. No defective tubes were identified during these examinations. However, one tube was classified as degraded and was conservatively plugged. The tube in location row 46/column 37 of steam generator 22 was plugged due to wear from a foreign object.

Steam Generator	Plugged Tube Location	Indication	Indication Location
SG 22	Row 46/Column 37	Loose Part Indication	Hot Leg Flow Distribution baffle

The following table presents the repair status of the Unit 2 steam generators.

Steam Generator	Number of Tubes/Steam Generator	Number of Plugged Tubes	Overall Plugging Percentage
SG 21	3592	1	0.028
SG 22	3592	5	0.139
SG 23	3592	6	0.167
SG 24	3592	4	0.111